

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002949.D
 Acq On : 27 Jun 2018 20:55
 Operator : JC/MD
 Sample : J3707-16 25X
 Misc : 6.17g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 03:17:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	181075	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	5.51	113	141977	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
50) Toluene-d8	8.72	98	531832	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.14	95	188023	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

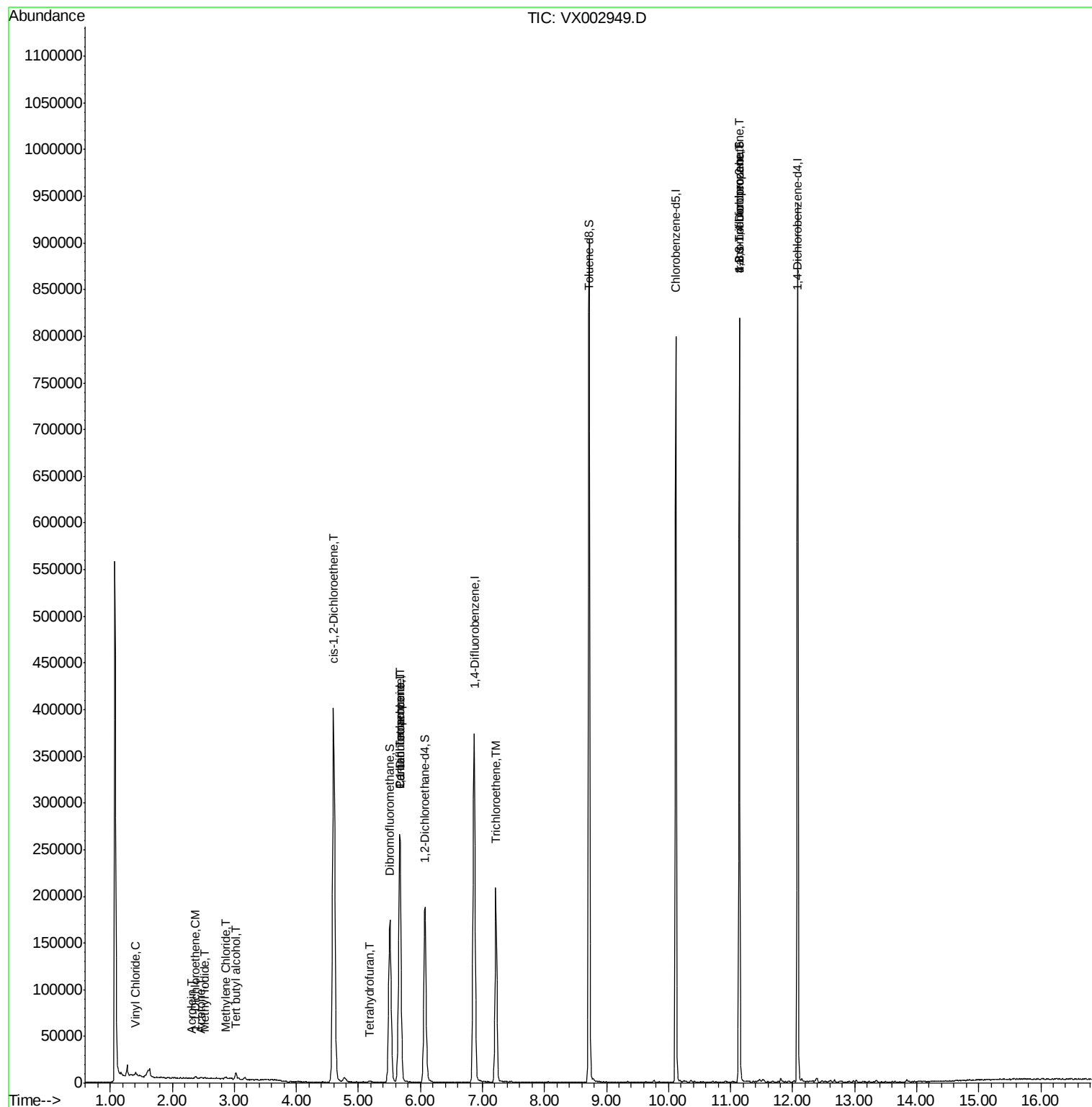
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.40	85	19	Below Cal	#	43
3) Chloromethane	1.33	50	491	Below Cal	#	28
4) Vinyl Chloride	1.41	62	1281	0.42	ug/l	1
5) Bromomethane	1.64	94	984	Below Cal		92
6) Chloroethane	1.70	64	117	Below Cal	#	43
10) Methyl Iodide	2.53	142	996	6.52	ug/l	87
11) Tert butyl alcohol	3.03	59	4191	5.69	ug/l	79
12) 1,1-Dichloroethene	2.38	96	886	0.34	ug/l	55
13) Acrolein	2.30	56	207	4.73	ug/l	1
16) Acetone	2.45	43	877	0.57	ug/l	89
20) Methylene Chloride	2.87	84	905	0.30	ug/l	75
27) cis-1,2-Dichloroethene	4.60	96	251140	77.94	ug/l	83
29) Tetrahydrofuran	5.18	42	1180	0.81	ug/l	77
36) 1,1-Dichloropropene	5.67	75	18452	4.51	ug/l	47
38) Carbon Tetrachloride	5.67	117	24146	5.38	ug/l	16
44) Trichloroethene	7.21	130	80838	22.81	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	97666	26.84	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97666	76.00	ug/l	7

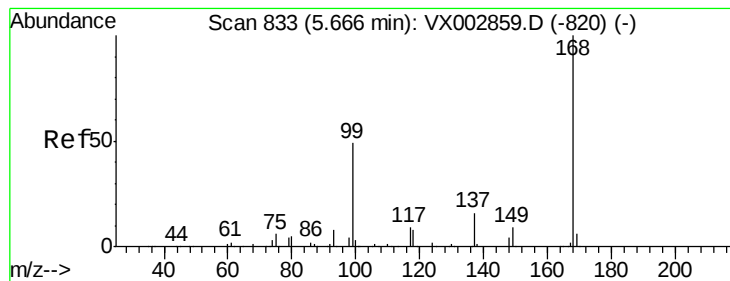
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

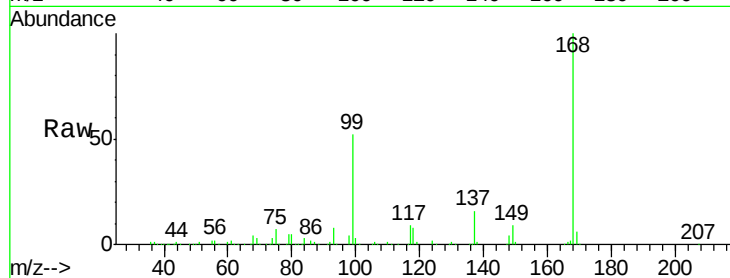
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 267540

Ion Ratio Lower Upper

168 100

99 52.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

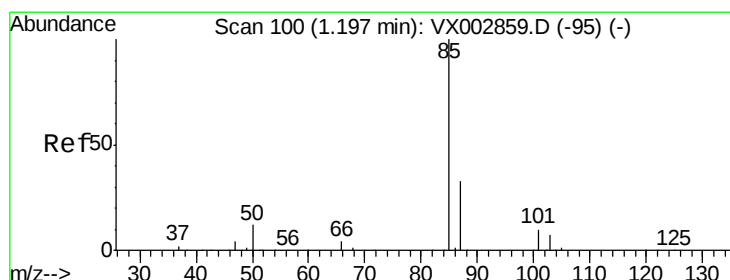
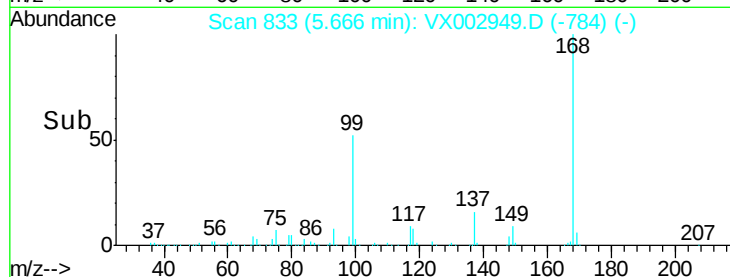
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.40 min Scan# 133

Delta R.T. 0.20 min

Lab File: VX002949.D

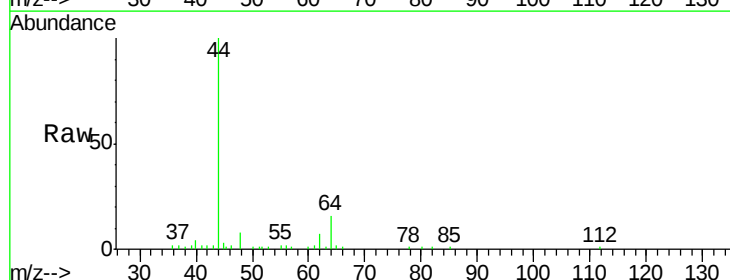
Acq: 27 Jun 2018 20:55

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.40

60

50

40

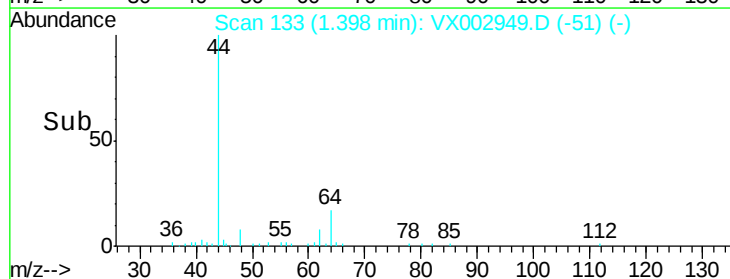
30

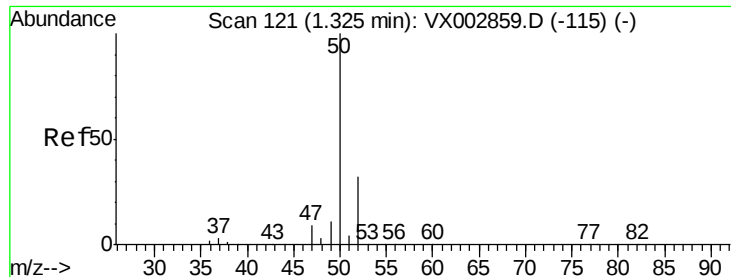
20

10

0

Time--> 1.38 1.39 1.40 1.41





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

Instrument :

MSVOA_X

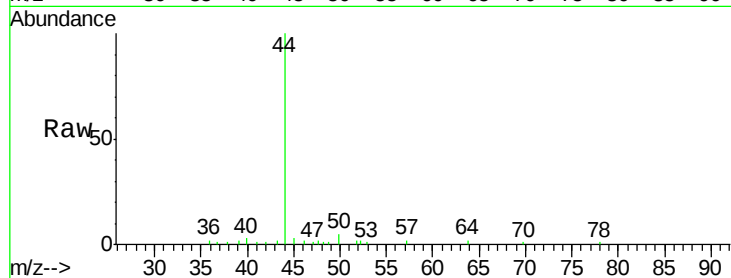
ClientSampleId :

Tot Ion: 50 Resp: 491

Ion Ratio Lower Upper

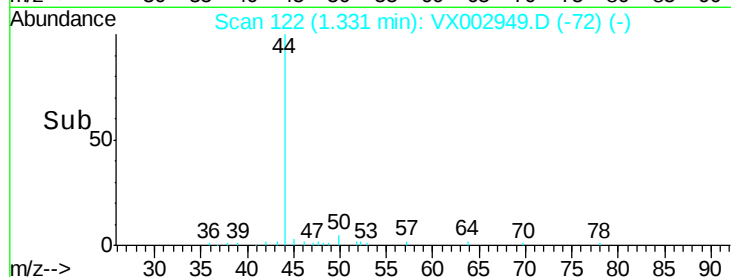
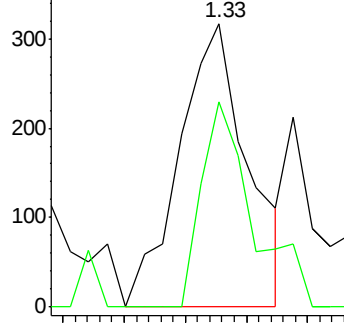
50 100

52 72.2 25.7 38.5#

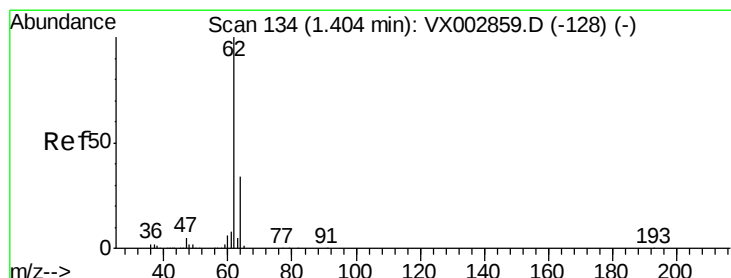


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 0.42 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002949.D

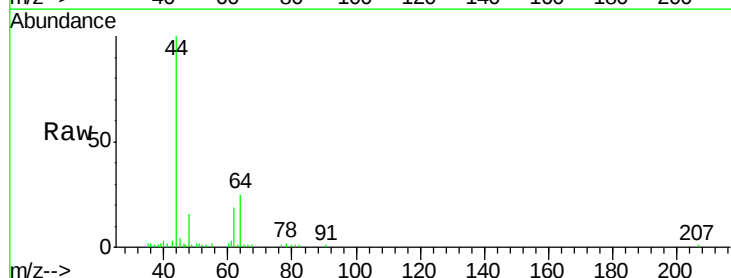
Acq: 27 Jun 2018 20:55

Tgt Ion: 62 Resp: 1281

Ion Ratio Lower Upper

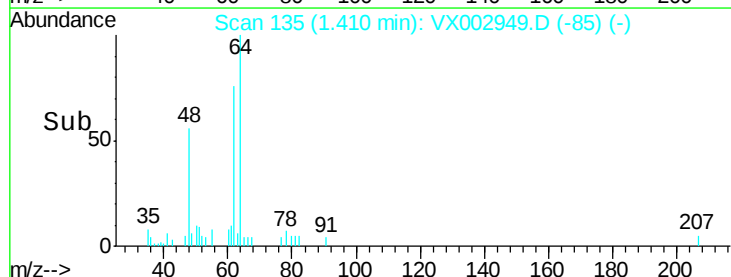
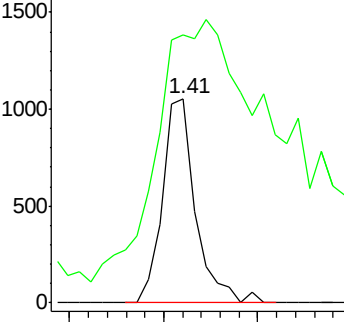
62 100

64 105.4 25.4 38.2#

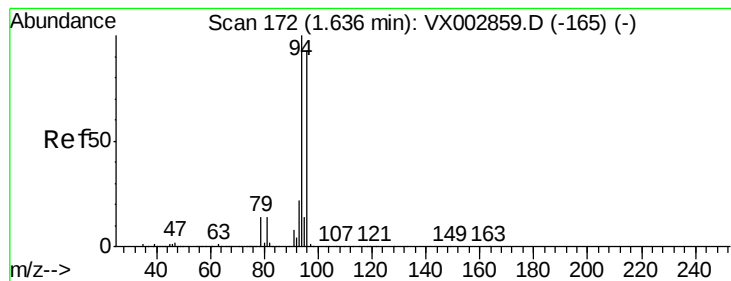


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

Instrument :

MSVOA_X

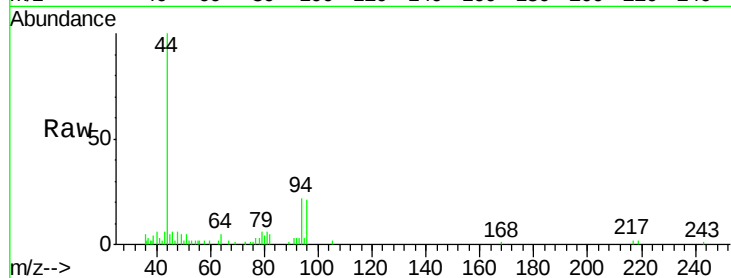
ClientSampled :

Tot Ion: 94 Resp: 984

Ion Ratio Lower Upper

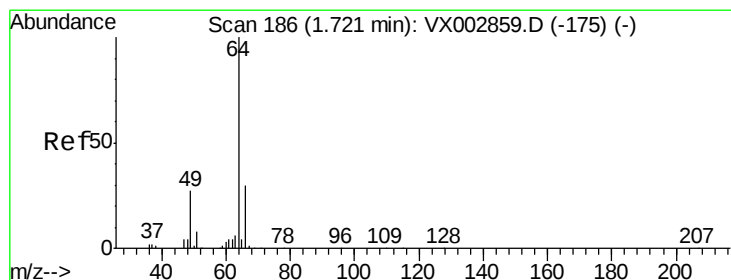
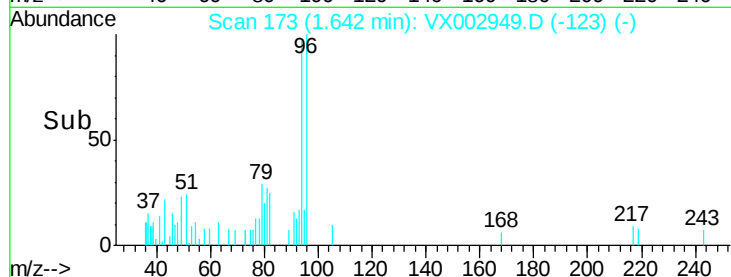
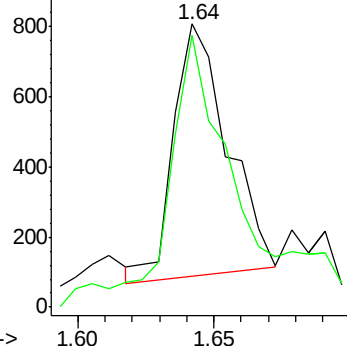
94 100

96 101.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX002949.D

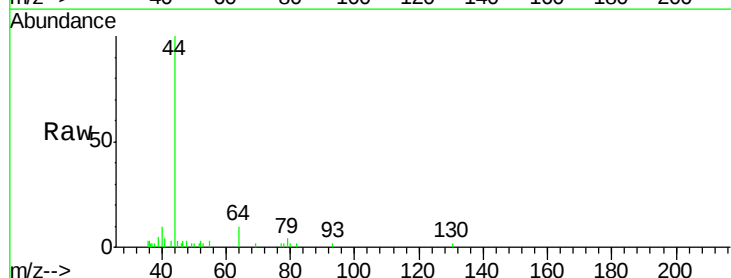
Acq: 27 Jun 2018 20:55

Tgt Ion: 64 Resp: 117

Ion Ratio Lower Upper

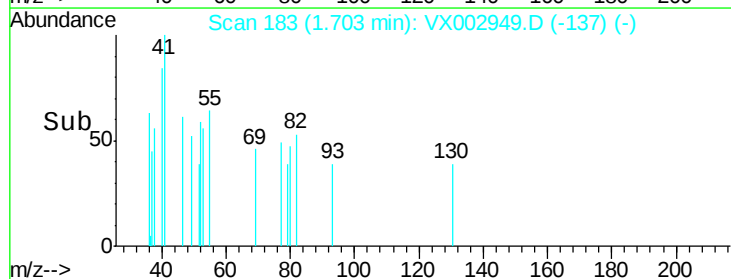
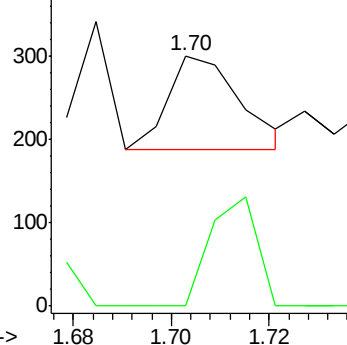
64 100

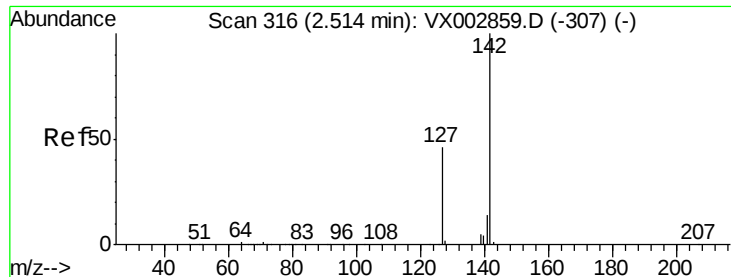
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

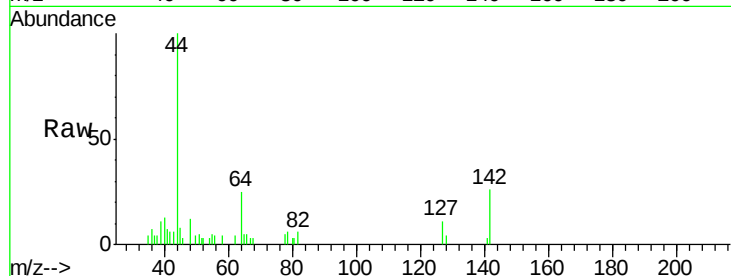




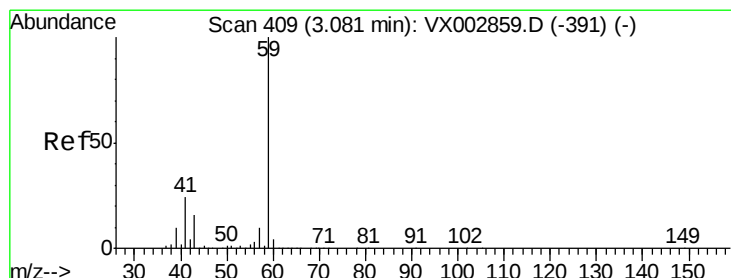
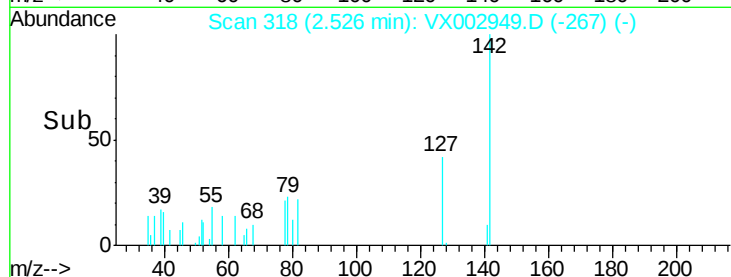
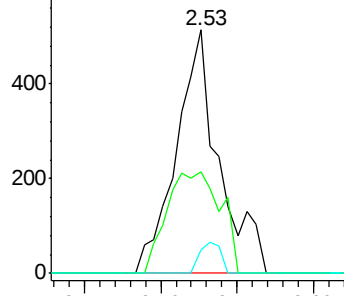
#10
Methyl Iodide
Concen: 6.52 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002949.D
Acq: 27 Jun 2018 20:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 996
Ion Ratio Lower Upper
142 100
127 52.9 36.6 55.0
141 6.4 11.3 16.9#

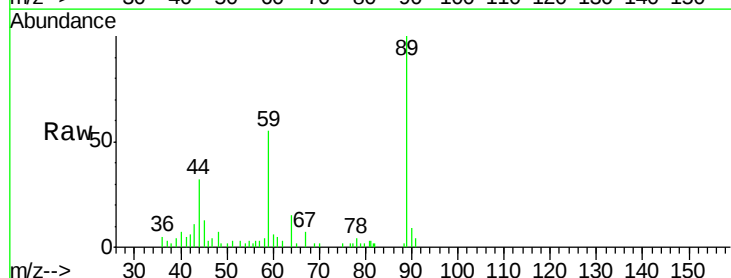


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

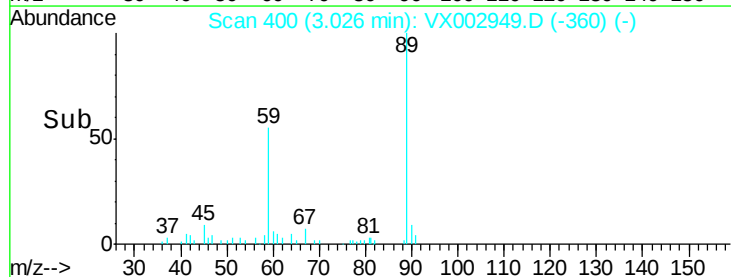
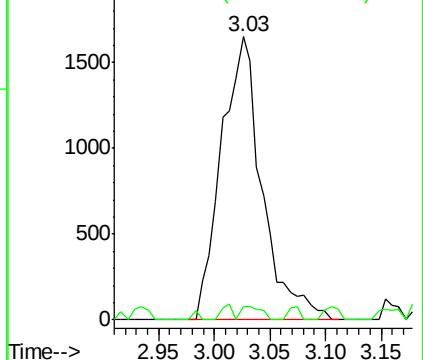


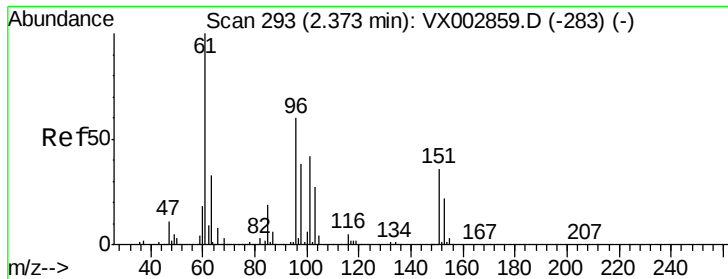
#11
Tert butyl alcohol
Concen: 5.69 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002949.D
Acq: 27 Jun 2018 20:55

Tgt Ion: 59 Resp: 4191
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

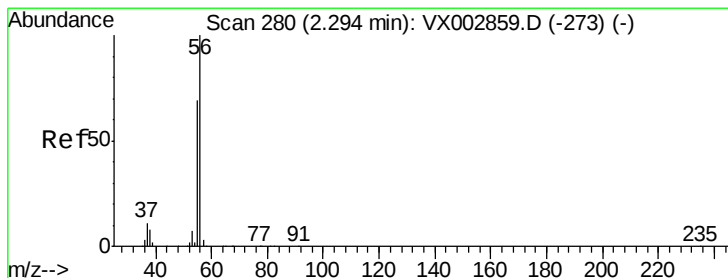
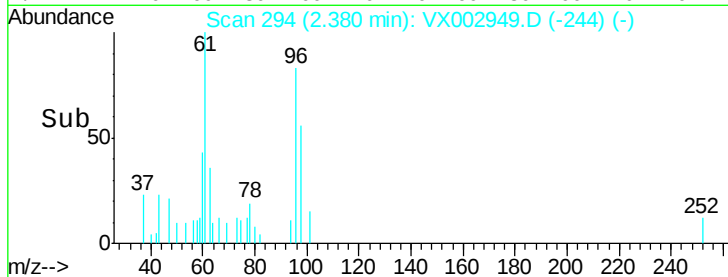
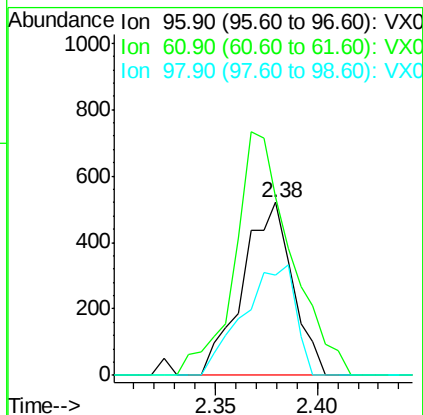
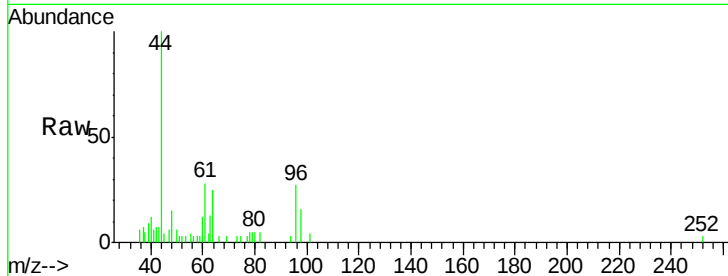




#12
 1,1-Dichloroethene
 Concen: 0.34 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

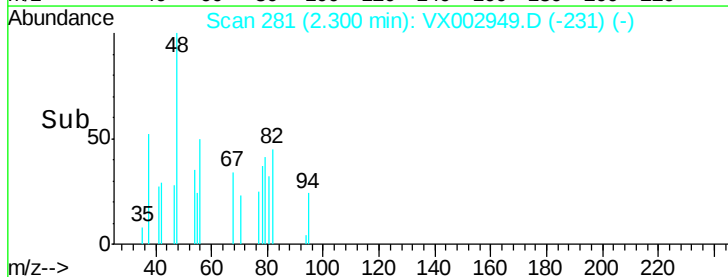
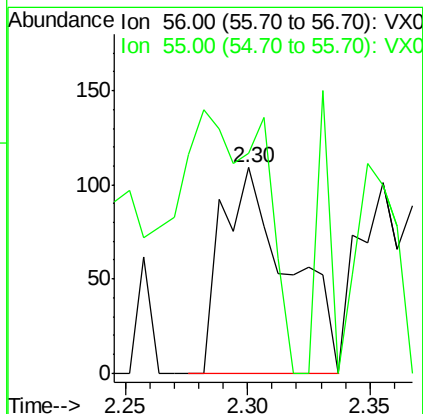
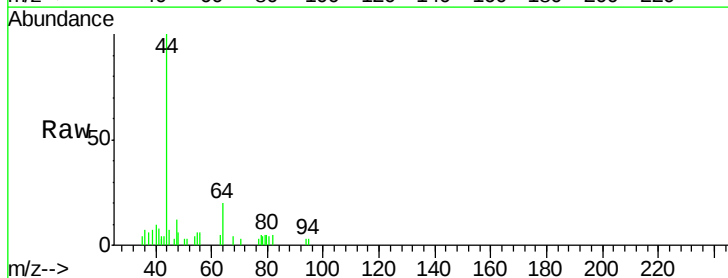
Instrument :
 MSVOA_X
 ClientSampleId :

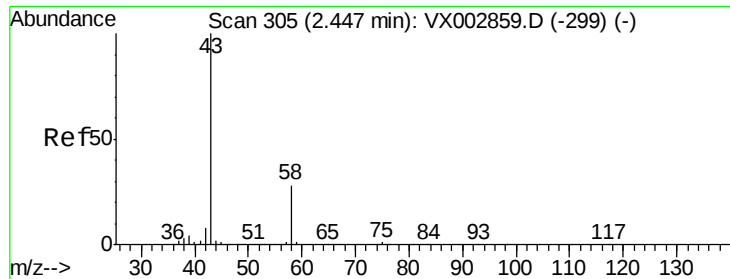
Tot Ion: 96 Resp: 886
 Ion Ratio Lower Upper
 96 100
 61 91.6 137.9 206.9#
 98 58.2 51.6 77.4



#13
 Acrolein
 Concen: 4.73 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

Tgt Ion: 56 Resp: 207
 Ion Ratio Lower Upper
 56 100
 55 158.0 57.0 85.4#





#16

Acetone

Concen: 0.57 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

Instrument :

MSVOA_X

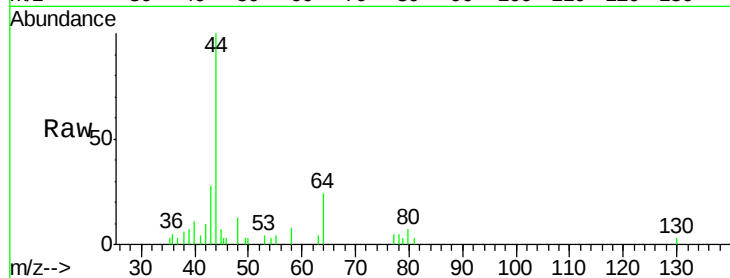
ClientSampleId :

Tot Ion: 43 Resp: 877

Ion Ratio Lower Upper

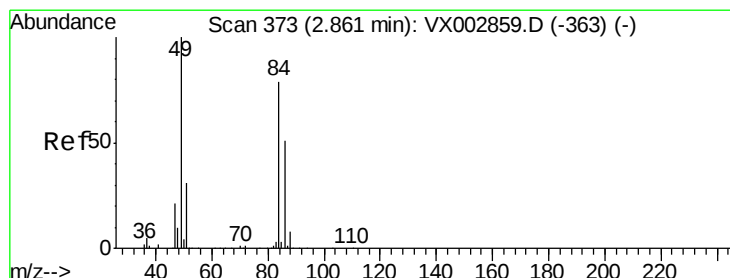
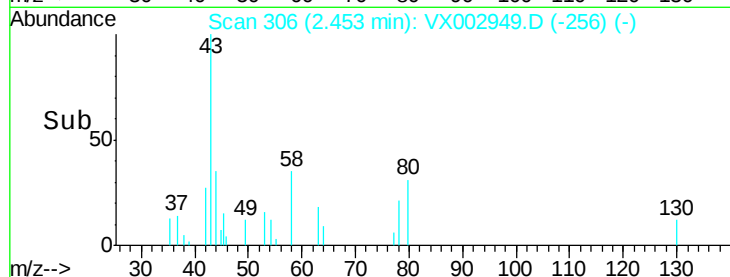
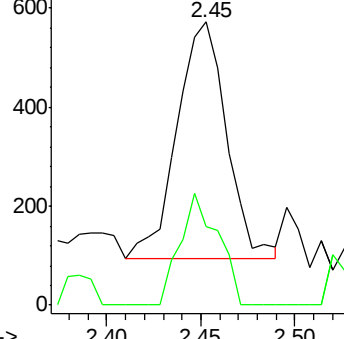
43 100

58 33.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.30 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

Tgt Ion: 84 Resp: 905

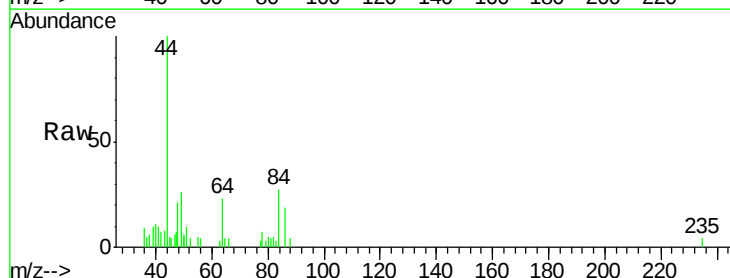
Ion Ratio Lower Upper

84 100

49 96.3 107.8 161.6#

51 21.7 32.8 49.2#

86 71.1 52.5 78.7

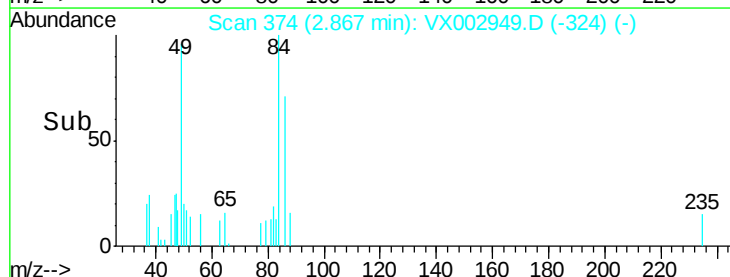
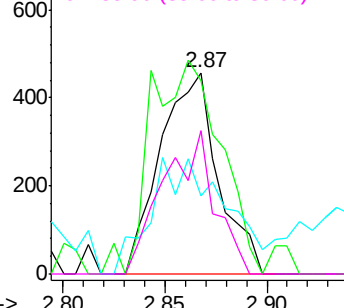


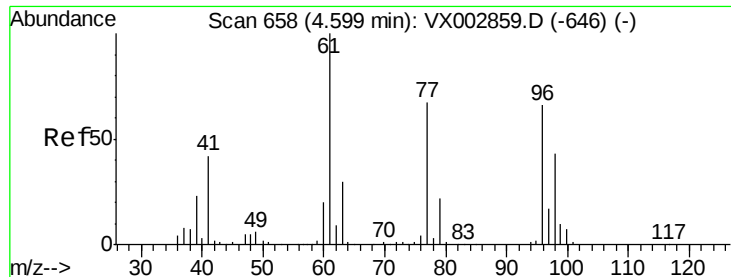
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 77.94 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

Instrument :

MSVOA_X

ClientSampleId :

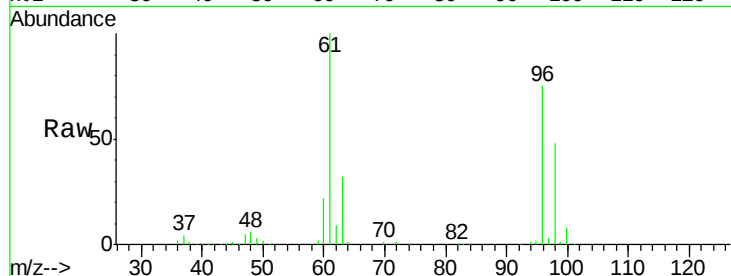
Tot Ion: 96 Resp: 251140

Ion Ratio Lower Upper

96 100

61 134.0 0.0 330.2

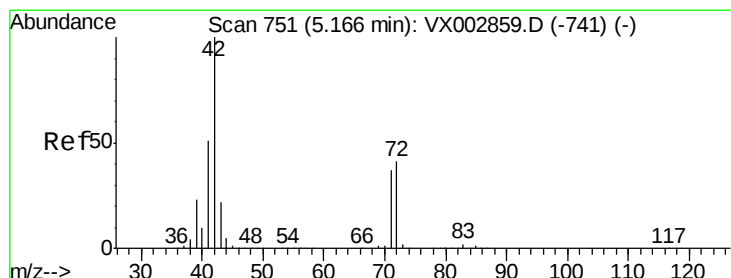
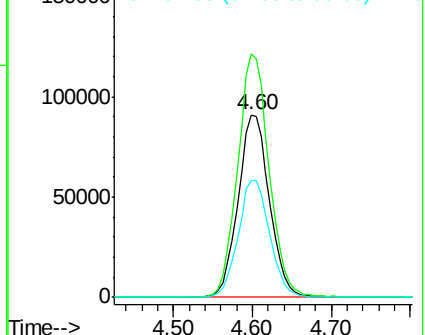
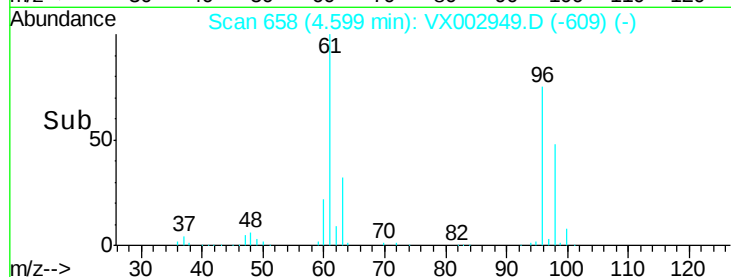
98 64.7 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.81 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

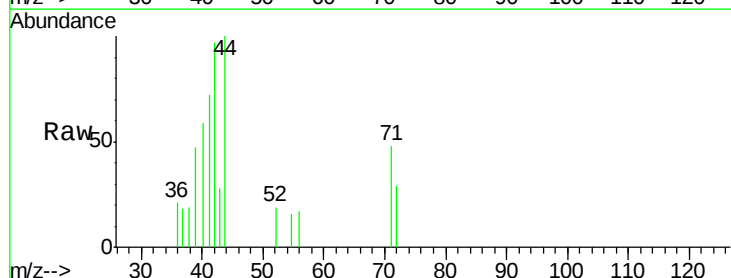
Tgt Ion: 42 Resp: 1180

Ion Ratio Lower Upper

42 100

72 16.4 32.0 48.0#

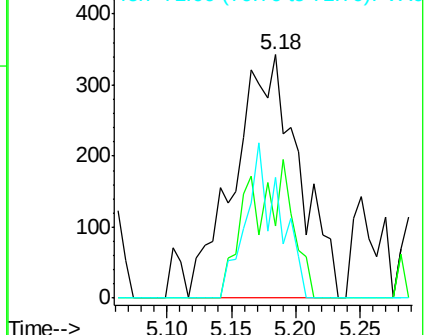
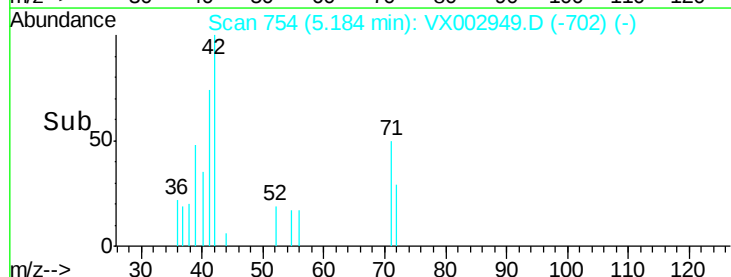
71 33.2 30.1 45.1

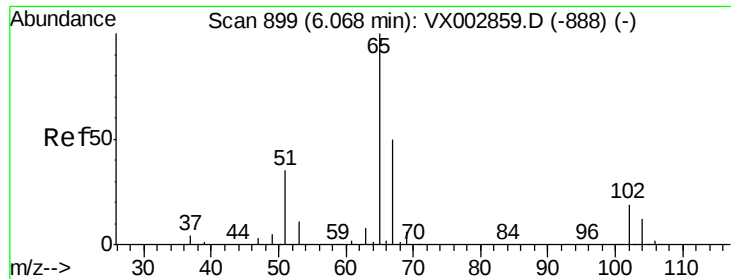


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

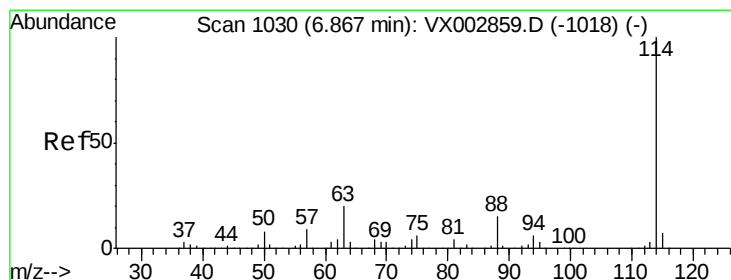
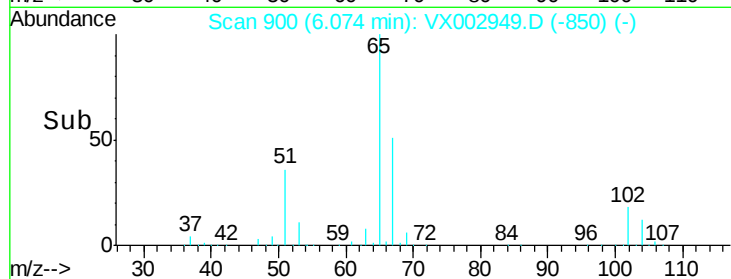
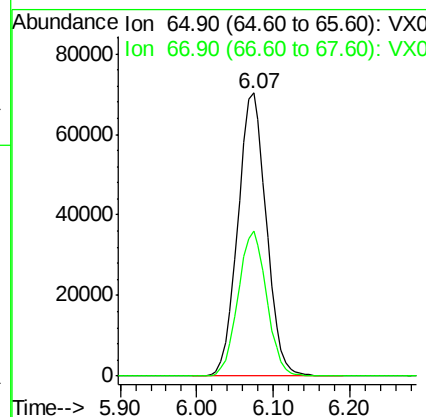
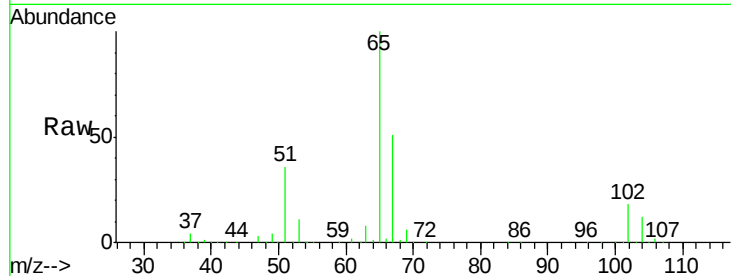




#33
 1,2-Dichloroethane-d4
 Concen: 48.97 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

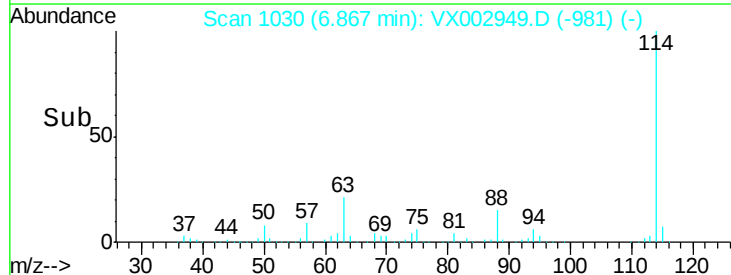
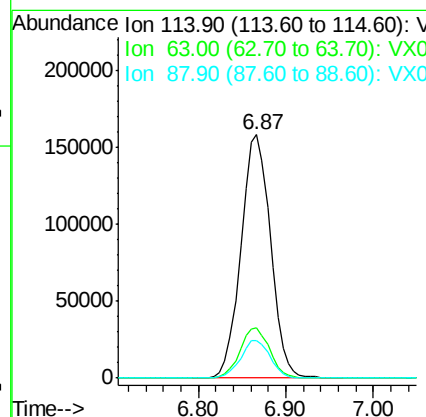
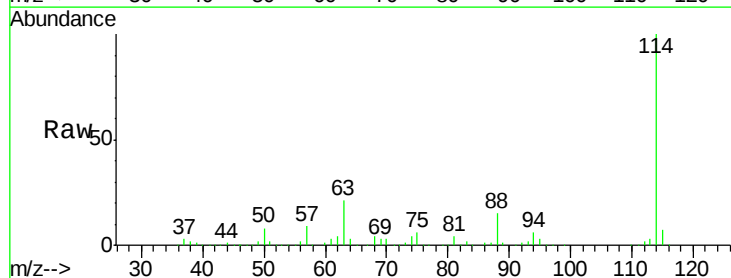
Instrument :
 MSVOA_X
 ClientSampleId :

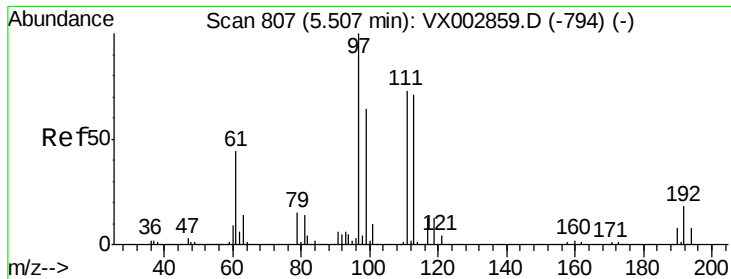
Tot Ion: 65 Resp: 181075
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

Tgt Ion: 114 Resp: 373124
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.4 0.0 30.0

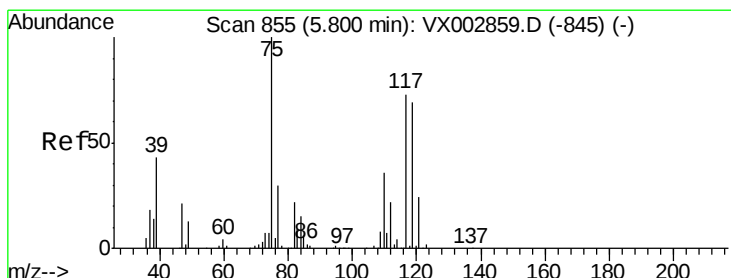
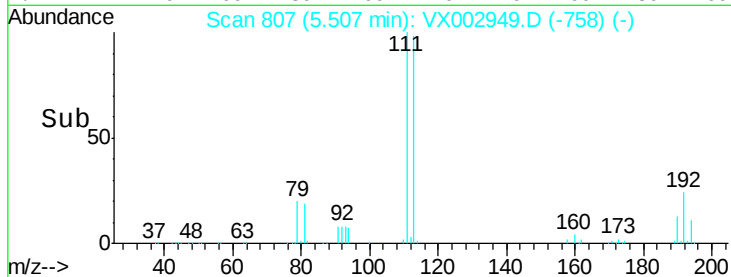
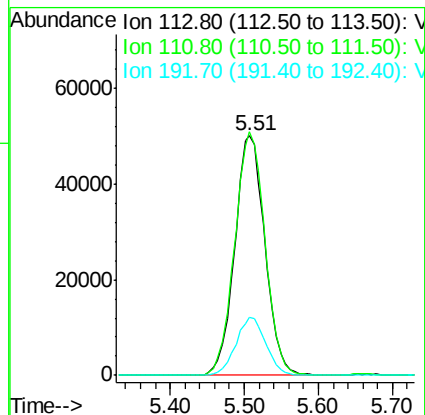
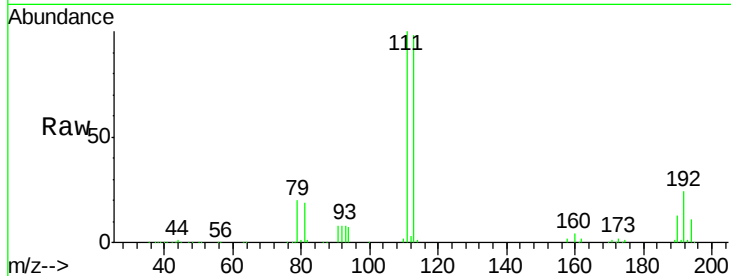




#35
 Dibromofluoromethane
 Concen: 48.05 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

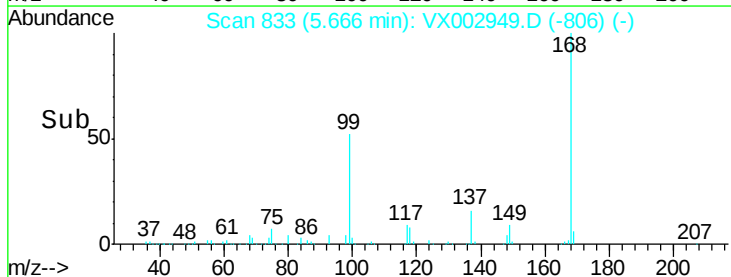
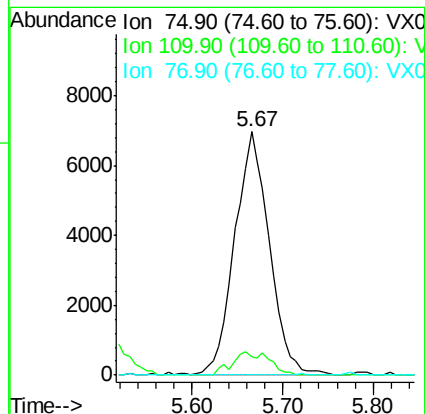
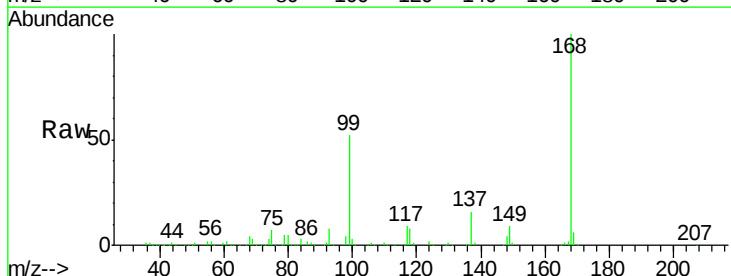
Instrument :
 MSVOA_X
 ClientSampleId :

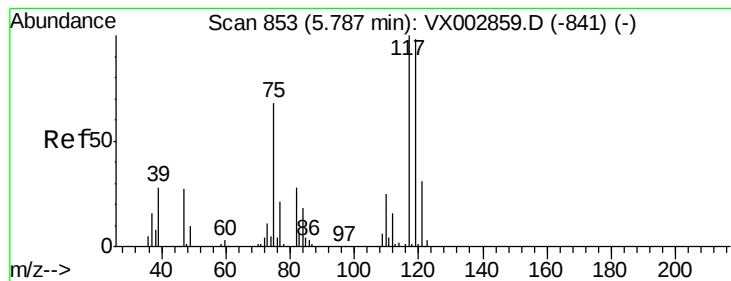
Tot Ion:113 Resp: 141977
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 24.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.51 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

Tgt Ion: 75 Resp: 18452
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.38 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

Instrument :

MSVOA_X

ClientSampled :

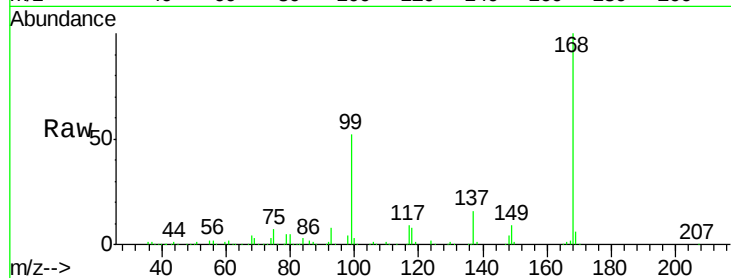
Tot Ion:117 Resp: 24146

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

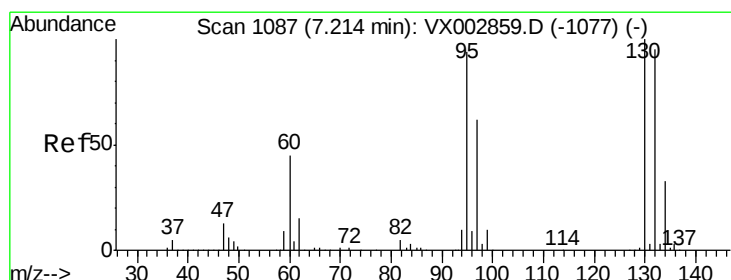
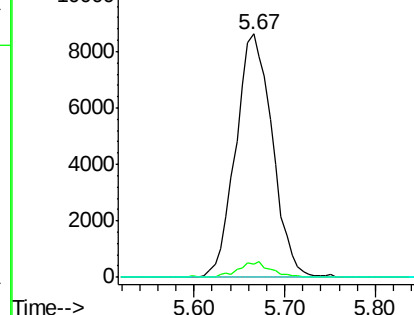
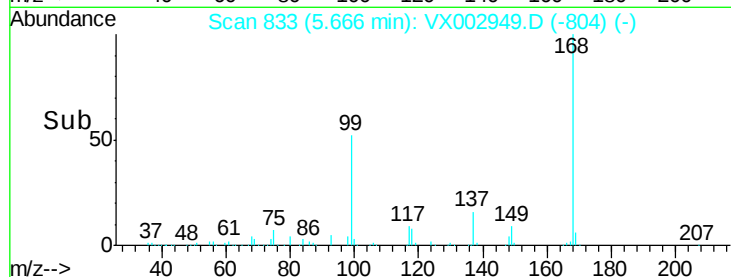
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 22.81 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX002949.D

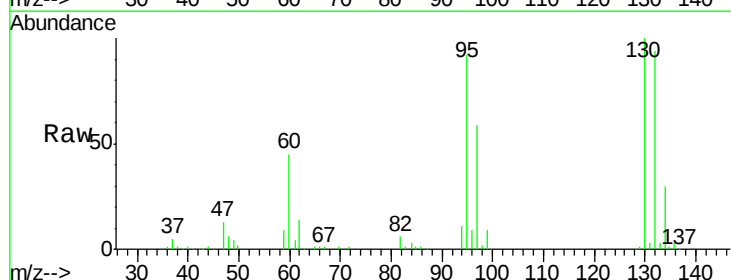
Acq: 27 Jun 2018 20:55

Tgt Ion:130 Resp: 80838

Ion Ratio Lower Upper

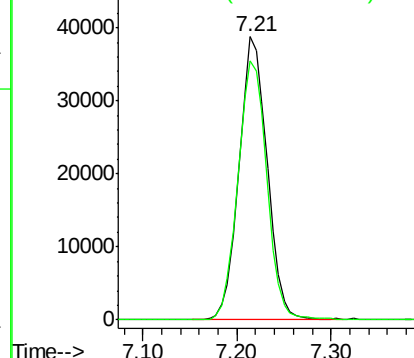
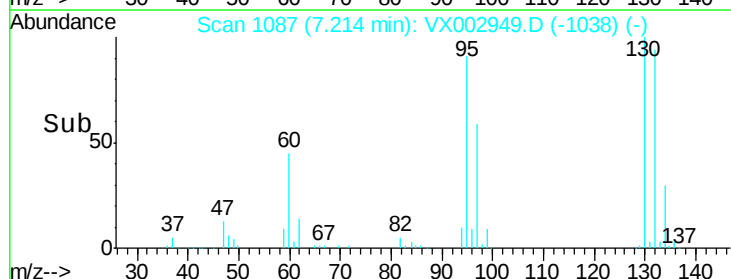
130 100

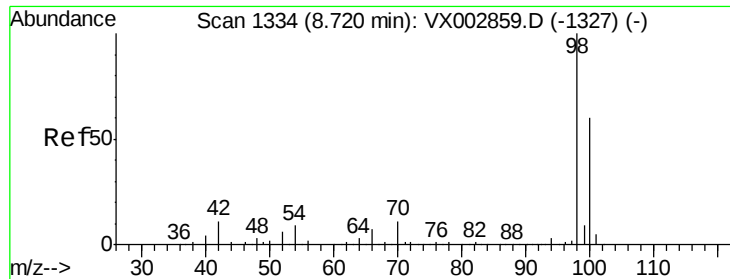
95 91.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.29 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

Instrument :

MSVOA_X

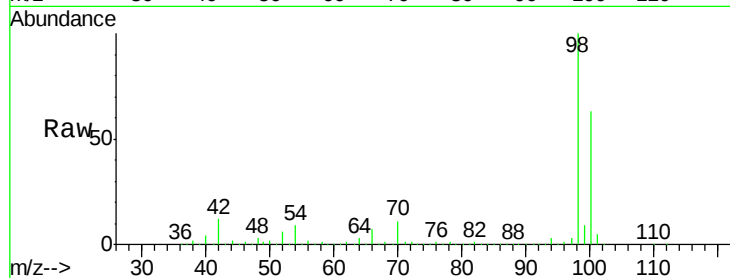
ClientSampleId :

Tot Ion: 98 Resp: 531832

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

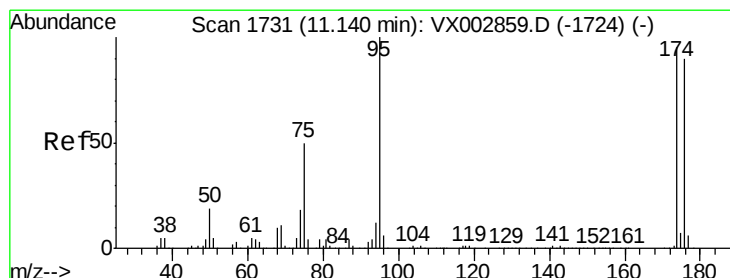
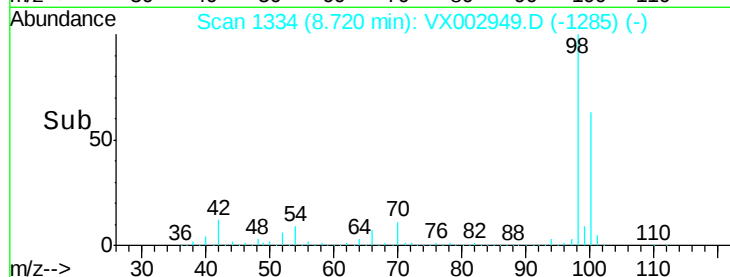
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 45.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002949.D

Acq: 27 Jun 2018 20:55

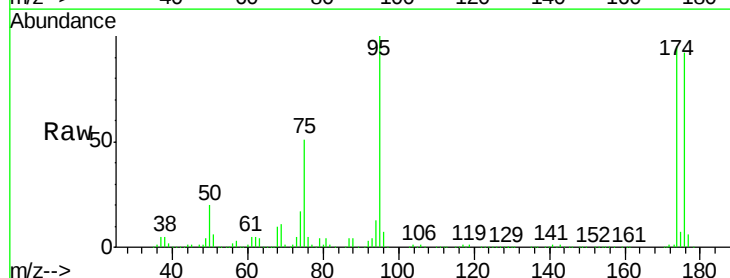
Tgt Ion: 95 Resp: 188023

Ion Ratio Lower Upper

95 100

174 96.5 0.0 187.4

176 94.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

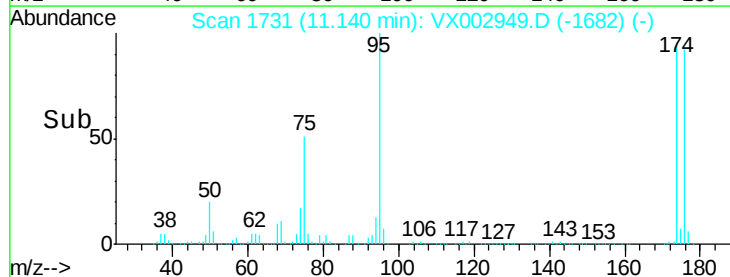
150000

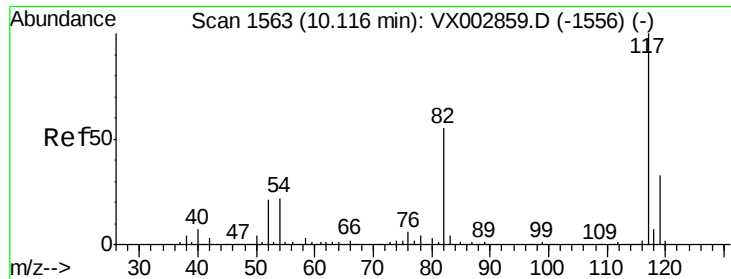
100000

50000

0

Time--> 11.10 11.20

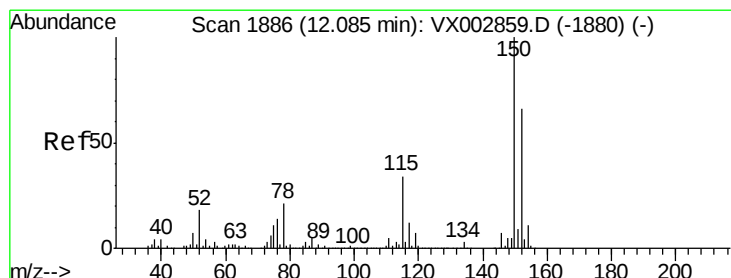
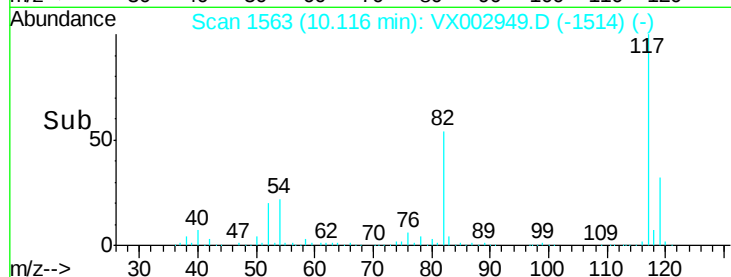
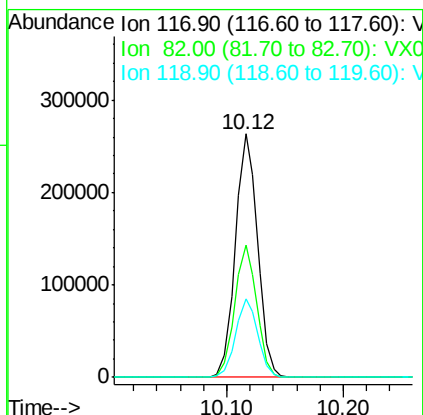
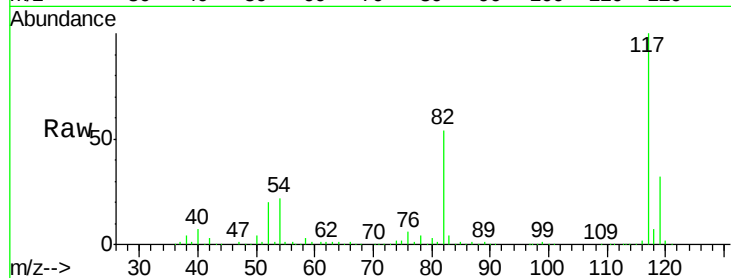




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002949.D
Acq: 27 Jun 2018 20:55

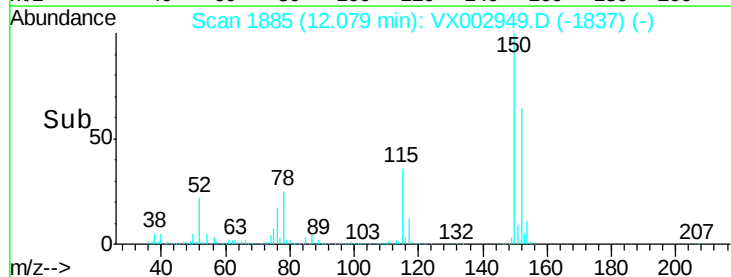
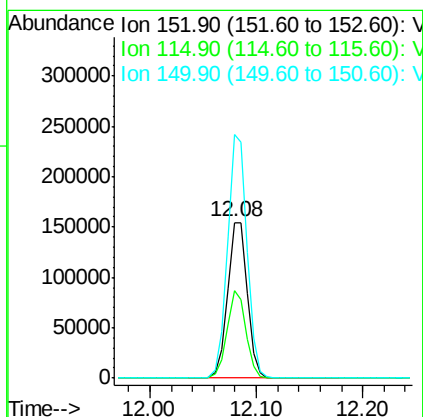
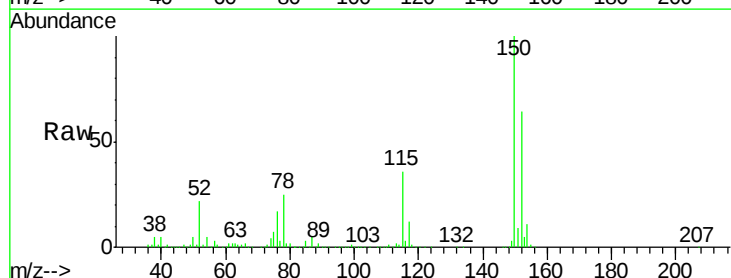
Instrument :
MSVOA_X
ClientSampleId :

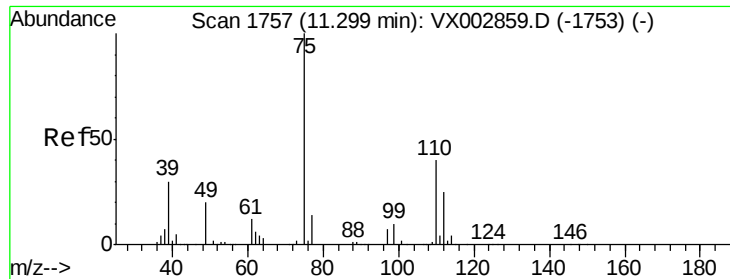
Tot Ion:117 Resp: 350541
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002949.D
Acq: 27 Jun 2018 20:55

Tgt Ion:152 Resp: 200882
Ion Ratio Lower Upper
152 100
115 53.9 40.1 120.2
150 154.1 0.0 347.2

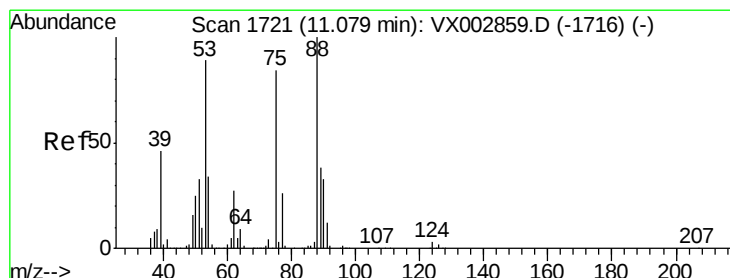
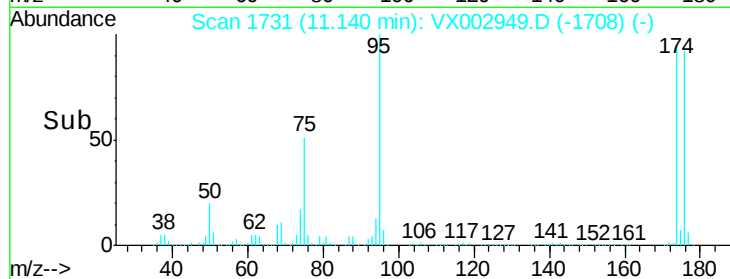
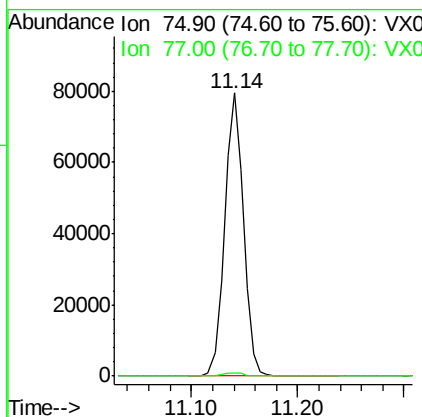
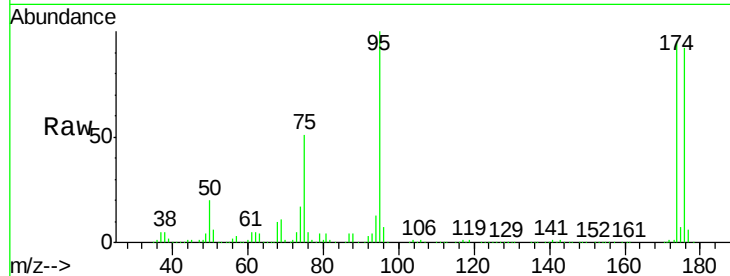




#76
 1,2,3-Trichloropropane
 Concen: 26.84 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 97666
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.00 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002949.D
 Acq: 27 Jun 2018 20:55

Tgt Ion: 75 Resp: 97666
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

